

Title (en)
Enhanced transport of ethernet traffic over a transport SDH/SONET network

Title (de)
Verbesserter Transport des Ethernet-Verkehrs über ein SDH/SONET-Transportnetz

Title (fr)
Transport renforcée du trafic Ethernet par un réseau du transport SDH/sonet (HNS)

Publication
EP 1339198 A1 20030827 (EN)

Application
EP 02290445 A 20020222

Priority
EP 02290445 A 20020222

Abstract (en)
Disclosed is a method and device for handling Ethernet frame signals in a SDH/SONET network, the SDH/SONET network comprising network elements or nodes and fiber connections connecting the network elements, the method being characterized by the step of defining a new layer/network over the SDH/SONET network in order to manage the Ethernet signals over the SDH/SONET network, the new layer/network using the resources of SDH/SONET network in such a way as to optimize the provided services and the performances with reference to this specific type of transport. The step of defining a new layer/network comprises the steps of: defining at least two Ethernet Access Points, namely Ethernet interfaces at the SDH/SONET network boundary where the Ethernet signals can access/leave the SDH/SONET network; defining a Link as a pair of Ethernet Access Points providing a point-to-point connection; for any pair of Ethernet Access Points, defining corresponding Circuits, namely all the possible routes connecting the pair of Access Points through the SDH/SONET network; and dividing each Circuit into Pipes, namely a sequence of smaller segments. <IMAGE>

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H04L 29/06; H04L 12/46; H04J 3/16

IPC 8 full level
H04J 3/06 (2006.01); **H04J 3/16** (2006.01); **H04L 1/18** (2006.01); **H04Q 11/04** (2006.01)

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Citation (search report)

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